

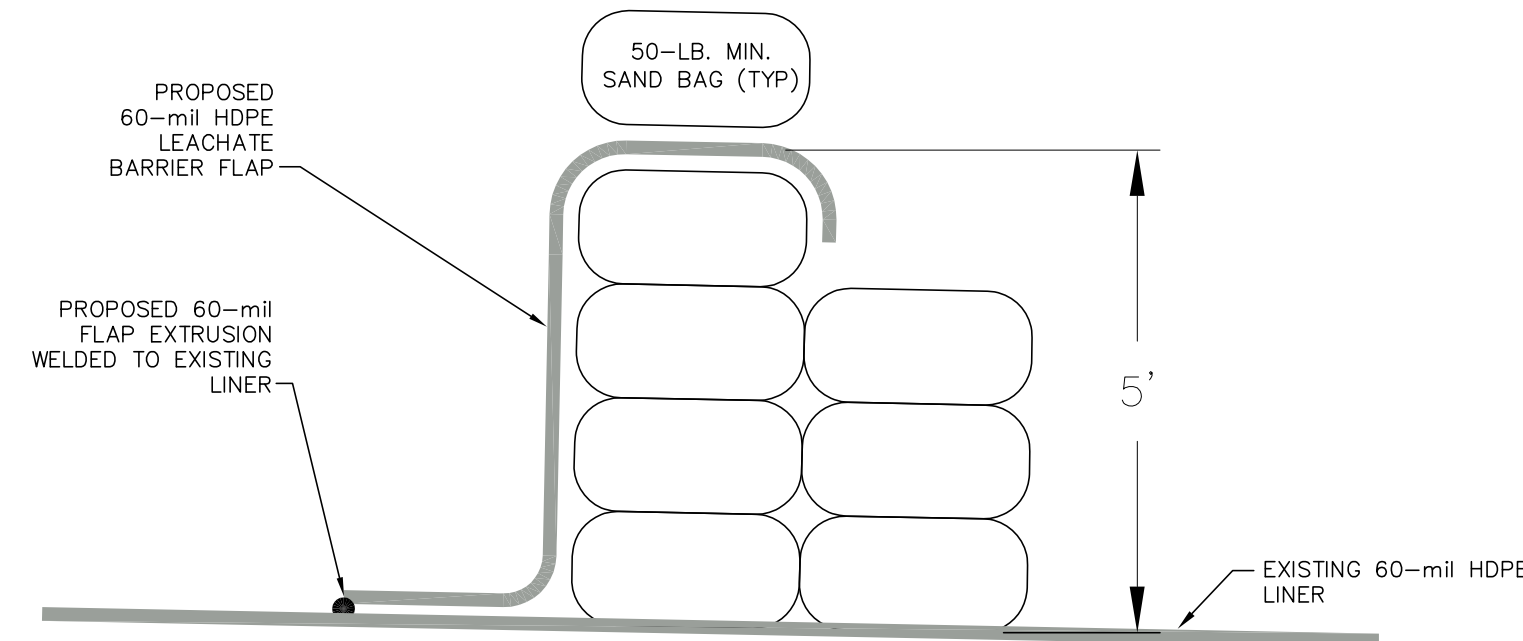
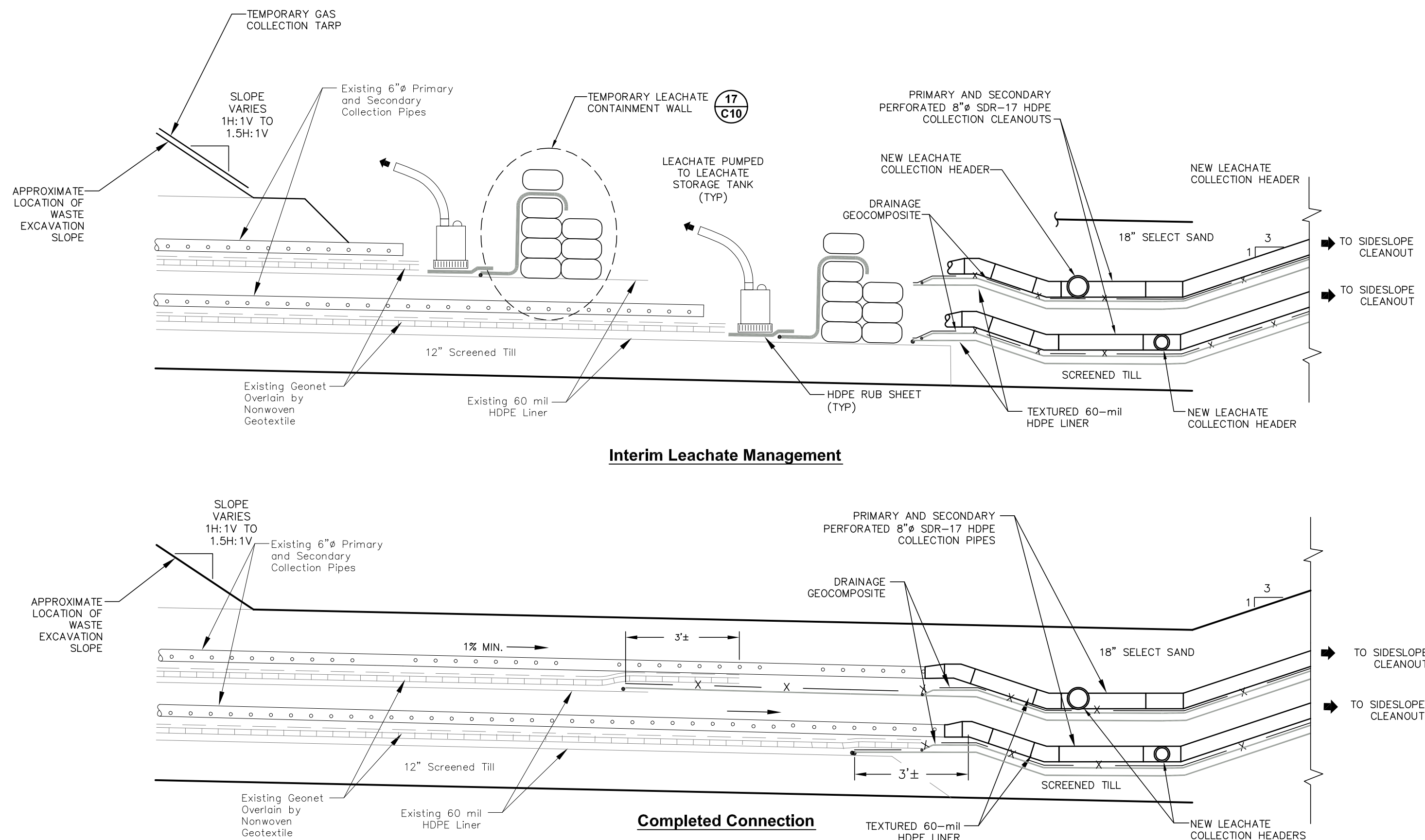
Construction Notes

1. PROVIDE TEMPORARY POWER TO THE SUMP LOCATION TO OPERATE PUMPS DURING EXCAVATION AND LINER CONNECTION. FOR EACH PHASE, PROVIDE TEMPORARY 10,000-GALLON STORAGE TANK WITHIN THE LIMIT OF WASTE TO RECEIVE LEACHATE PUMPED FROM THE PRIMARY AND SECONDARY SUMPS UNTIL SUCH TIME AS THE LINER CONNECTIONS HAVE BEEN MADE AND APPROVAL TO MANAGE THE LEACHATE IN STAGE IV PHASE II IS GRANTED BY THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES (NHDES).
2. REMOVE LINER SYSTEM FROM NORTH SLOPE OF LANDFILL.
3. EXCAVATE WASTE AS REQUIRED TO EXPOSE TOP OF DRAINAGE SAND. EXERCISE CARE WHEN EXCAVATING NEAR THE LINER SYSTEM.
4. COMPLETE STAGE IV PHASE II LINER SYSTEM TO THE DEGREE PRACTICAL IN ADVANCE OF MAKING THE EXCAVATION TO LIMIT THE TIME PERIOD THE EXCAVATION WILL BE REQUIRED TO BE OPEN.
5. CAREFULLY REMOVE PRIMARY LEACHATE COLLECTION SYSTEM COMPONENTS IN THE AREA WHERE THE PRIMARY CONTAINMENT WALL IS TO BE LOCATED.
6. CONSTRUCT PRIMARY LEACHATE CONTAINMENT WALL AS SHOWN. EMPLOY MEANS AS REQUIRED TO PROVIDE A DRY SURFACE UPON WHICH TO WELD THE CONTAINMENT WALL FLAP. (SUCH MEANS MAY INCLUDE, BUT ARE NOT LIMITED TO, PUMPING WITH A VACUUM TRUCK AND USE OF ABSORBENT BOOMS).
7. ESTABLISH TEMPORARY PRIMARY LEACHATE PUMPING LOCATION(S) BEHIND THE PRIMARY CONTAINMENT WALL AT LOW POINT(S). INSTALL AUTOMATIC PUMPS AND TEMPORARY PIPING TO THE TEMPORARY LEACHATE TANKS TO RECEIVE PRIMARY LEACHATE.
8. PUMP FREE LIQUID FROM PRIMARY SUMP AND CAREFULLY REMOVE CRUSHED STONE.
9. USE ABSORBENT BOOMS TO COLLECT ALL RESIDUAL LIQUID IN THE BASE OF THE PRIMARY SUMP, BEFORE REMOVING PRIMARY LINER IN AREA OF SUMP.
10. CAREFULLY REMOVE PRIMARY SIDESLOPE RISER PIPES AND ESTABLISH A TEMPORARY PUMP IN THE PRIMARY COLLECTION SUMP TO REMOVE PRIMARY LIQUID.
11. REPEAT STEPS 5-10 FOR SECONDARY LEACHATE SYSTEM.
12. REMOVE LINER ON EXISTING NORTH SLOPE OF STAGE I. EXCAVATE SOIL TO SUBGRADE IN NEW LINER AREA.
13. INSTALL SCREENED TILL AS REQUIRED. INSTALL SECONDARY LINER.
14. WHEN COA ACTIVITIES ON REMAINDER OF SECONDARY LINER AND COLLECTION SYSTEM HAVE BEEN COMPLETED AND APPROVAL IS OBTAINED FROM NHDES, REMOVE THE TEMPORARY SECONDARY PUMP, AND CONNECT THE SECONDARY COLLECTION PIPE IN EACH PHASE OF STAGE I WITH EXISTING SECONDARY PIPE. AT THIS POINT, LIQUID IN THE SECONDARY SYSTEM WILL BE MANAGED AT THE STAGE I PHASE I SUMP.
15. INSTALL PRIMARY LINER, GEOCOMPOSITE AND SELECT SAND OVER SUMP AND CONNECT TO THE LINER AND LEACHATE COLLECTION SYSTEMS IN STAGE I.
16. WHEN COA ACTIVITIES HAVE BEEN COMPLETED AND APPROVAL IS OBTAINED FROM NHDES, CAREFULLY REMOVE THE LEACHATE CONTAINMENT FLAP AND CONNECT PRIMARY LEACHATE PIPE TO THE NEW COLLECTION HEADER PIPE IN STAGE IV.
17. BACKFILL THE EXCAVATION AND APPLY INTERMEDIATE COVER.
18. COMPLETE PROCEDURE ABOVE FOR EACH PHASE OF STAGE I.

Typical Primary and Secondary Containment

Not to Scale

15



Typical Leachate Containment Wall Section

Not to Scale

17

Liner Connection Detail

Not to Scale

16

no.	revision	date	by

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North Country Environmental Services, Inc.
Bethlehem, NH

project:
Stage IV Phase II
Type IB Permit Application

title:
Interim Leachate Management Details

	designed by: JSM/RJG	date: February 2009
	drawn by: APV/MAM/DAA	project no: 656.05
	approved by: RJG/WAS	sheet no: C-10